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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/619,296	07/14/2003	Wing Lee	IDF 2398 4000-12500	6314

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DATE MAILED: 12/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *12 September 2006*.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-35* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-35* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

STATUS
Claims 1-35 remain pending.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Response to Arguments

The Applicants arguments filed on September 12, 2006 have been fully considered.

The Applicant states that the prior art record does not disclose the claimed feature of "a set of adapters coupled to the business object server wherein the adapters transform business objects created by the business object server into data requests compatible with a back-office system"

The Examiner responds that although the specific language of the claimed invention is not recited by Suarez, it would be obvious to one of ordinary skill in art to derive the disclosed invention from the prior art record. Column 9, lines 14-39 state that "the agents represent a standard architecture which facilitates cooperation and collaboration between agents associated with different hosts and various services" the examiner contends that in order for collaboration to occur, data must be transferred in a common format. This idea is further suggested at Column 25, lines 33-42 – which states that an agent can "change or modify the contents of a message" and also Column 34 lines 52-67 which states that the purpose of the Suarez invention is to provide adaptive communication between services. Taken together it is clearly obvious that the intent of the prior art is to provide an interface between applications across which data is communicated, and since the whole system of the prior art would be useless if the data were not able to be read or utilized in some format the examiner concludes that the data must be in some well known or common format, and thus meets the limitations of the claimed invention.

The Applicant states that the prior art record does not disclose the claimed feature of "a business object server coupled to the client access interfaces wherein the business object server performs object assembly and disassembly, caching and synchronization, and service invocation functions"

The Examiner responds that column 12, lines 47-64 of Suarez more clearly points out the limitations of the claimed invention

The Applicant states that the prior art record does not disclose the claimed feature of

"a set of adapters coupled to the business object server wherein the adapters transform business objects created by the business object server into data requests compatible with a back-office system"

The examiner responds that as states above, although the specific language of the claimed invention is not recited by Suarez, it would be obvious to one of ordinary skill in art to derive the disclosed invention from the prior art record ,specifically in view of column 34 lines 52-67which states that the purpose of the Suarez invention is to provide adaptive communication between services.

See following rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1- 35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Suarez. (US Patent 5,790,789)

As per claim 1
Suarez ('789) discloses a system for making computing applications throughout an enterprise aware of business events comprising:
 an enterprise integration layer that automatically publishes business events comprising: (Figure 11)
 set of client access interfaces coupled to front-office applications wherein the interfaces transform data from the format of the front-office applications to a common data format; (Column 9, lines 14-39)
 a set of adapters coupled to the business object server wherein the adapters transform business objects created by the business object server into data requests compatible with a back-office system; (Column 11, lines 15-43; column 34 lines 52-67)
 an enterprise object model to standardize business objects;(Figure 1)
 a messaging system coupled to the enterprise integration layer that automatically subscribes to business events published by the enterprise integration layer and automatically makes the computing applications aware of the business events. (Column 12 lines 37-64)
 a business object server coupled to the client access interfaces wherein the business object server performs object assembly and disassembly, caching and synchronization, and service invocation functions;(column 12, lines 47-64, Figure 6)

The claimed feature of " automatically makes the computing applications aware of the business events" merely automates procedures that have been well established in the area of business software, it is the examiners position that that automation of a process does not establish novelty (*In re Venner*, 120 USPQ 192,194)

Claims 11, 21 and 31 are in parallel with claim 1 and are rejected for at least the same reasons.

As per claim 2,
Suarez ('789) discloses the system of claim 1 further comprising
a rules engine within the enterprise integration layer to define and store rules regarding validation and data integrity, data and service access, event notification, and caching. (Figure 6)

Claim 23 is in parallel with claim 2 and are rejected for at least the same reasons.

As per claim 3,
Suarez ('789) discloses the system of claim 1 further comprising
a business event repository within the enterprise integration layer to contain definitions of business events (Figure 6).

Claim 13 is in parallel with claim 3 and are rejected for at least the same reasons.

As per claim 4,
Suarez ('789) discloses the system of claim 1 further comprising
a back-office metadata repository within the enterprise integration layer to hold metadata supplied by the adapters.(Column 13, lines 39-67)
14 24

Claims 14 and 24 are in parallel with claim 4 and are rejected for at least the same reasons.

As per claim 5,
Suarez ('789) discloses the system of claim 1 further comprising
a transaction processor within the enterprise integration layer to provide distributed transactional quality of service. (Column 19, lines 9-46)

Claims 15 and 25 are in parallel with claim 5 and are rejected for at least the same reasons.

As per claim 6,
Suarez ('789) discloses the system of claim 1 further comprising
a local data store within the enterprise integration layer to make data persistent within the enterprise integration layer.(Column 13, lines 39-67)

Claims 16 and 26 are in parallel with claim 6 and are rejected for at least the same reasons.

As per claim 7,
Suarez ('789) discloses the system of claim 1 further comprising
wherein the client access interfaces comprise: an object interface; a relational interface; and a web services interface. (Figure 6)

Claims 17 and 27 are in parallel with claim 7 and are rejected for at least the same reasons.

As per claim 8,
Suarez ('789) discloses the system of claim 1
wherein the enterprise integration layer uses previously existing infrastructure services within the enterprise. (Column 19, lines 9-46)

Claims 18 and 28 are in parallel with claim 8 and are rejected for at least the same reasons.

As per claim 9,
Suarez ('789) discloses the system of claim 8
wherein the previously existing infrastructure services are selected from a group of services comprising: a naming and directory service; a security service; and an application management and monitoring system. (Column 19, lines 9-46)

Claims 19 and 29 are in parallel with claim 9 and are rejected for at least the same reasons.

As per claim 10,
Suarez ('789) discloses the system of claim 9
wherein the previously existing infrastructure services include each of a group of services comprising: a naming and directory service; a security service; and an application management and monitoring system. (Column 19, lines 9-46)

Claims 20 and 30 are in parallel with claim 10 and are rejected for at least the same reasons.

As per claim 12,
Suarez ('789) discloses the system of claim 11 further comprising
an enterprise object model within the enterprise integration layer to standardize business objects.(Figure 1)

Claim 22 is in parallel with claim 12 and are rejected for at least the same reasons.

As per claim 33,
Suarez ('789) discloses the method of claim 31
wherein the business event and the data related to the business event are combined in a single packet.(Figure 7A)

As per claim 33,
Suarez ('789) discloses the method of claim 31
wherein the business event and the data related to the business event are published to a message bus. (Column 11, lines 15-42)

As per claim 34,
Suarez ('789) discloses the method of claim 31
wherein the business event and the data related to the business event are published to a message queue.(Column 12, lines 54-64)

As per claim 35,
Suarez ('789) discloses the method of claim 31
wherein the business event and the data related to the business event are made available to the enterprise through a messaging system.(Figure 6)
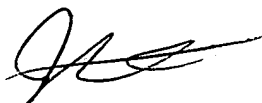
Conclusion

Examiners note: Examiner has cited particular columns and line numbers in the references as applied to the claims above for the convenience of the applicant. Although the specified citations are representative of the teachings of the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John M. Winter whose telephone number is (571) 272-6713. The examiner can normally be reached on M-F 8:30-6, 1st Fridays off.
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Fischer can be reached on (571) 272-6779. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent
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information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

John Winter
Patent Examiner -- 3621

11/27/06

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